Product Information

Biomaterials@**Straumann®**

When one option is not enough.

bone & tissue regeneration

botiss biomaterials

straumann
simply doing more

Content

Biomaterials@Straumann®.

When one option is not enough.

Decades of experience in dentistry and oral regeneration propelled us to understand and meet the diversity of needs, indications and preferences. The right solution in implantology and periodontology is designed to fit the individual. Straumann offers an exceptional range of biomaterials that meet your expectations and those of your patients. Ask for options. Contact Straumann.

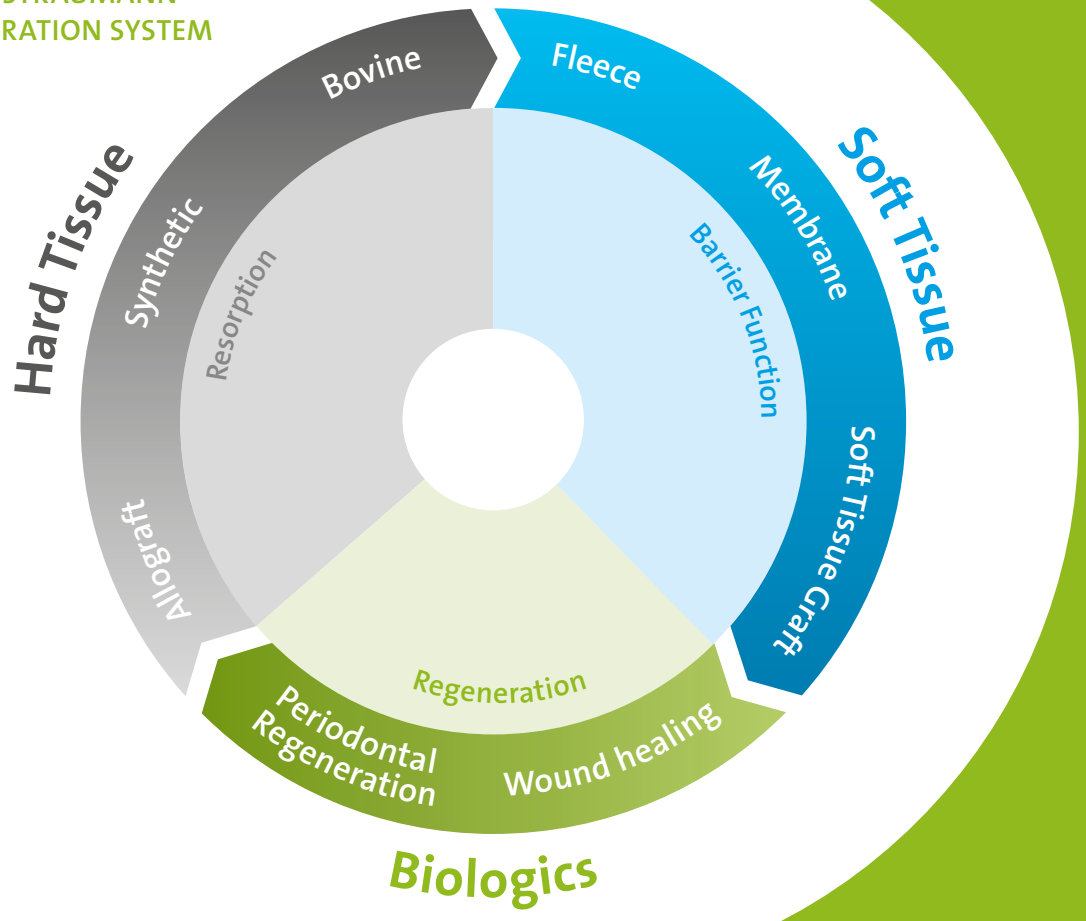
BIOMATERIALS@STRAUMANN®. MORE REGENERATIVE OPTIONS FOR THE RIGHT CHOICE.

Treatment concepts in modern dentistry are getting more complex taking a holistic view on the clinical situation and the desired outcome. We believe that providing complete solutions for tooth replacement will help you achieve the best possible results.
One-size-fits-all is not enough. Your daily practice shows that you need a complete range of integrated regenerative solutions with predictable positive outcomes for all biological situations and indications in implantology and periodontology.

STRAUMANN AND BOTISS BIOMATERIALS OFFER AN UNPARALLELED RANGE OF REGENERATIVE SOLUTIONS TO SUPPORT IMPLANT AND PERIODONTAL PROCEDURES.

From bone augmentation to esthetically optimal soft tissue results, we offer you a substantial range of long-term proven biological materials (bovine, synthetic, allografts, collagen, granules, blocks, membranes, soft tissue matrices) and Straumann® Emdogain®, the unrivaled biological solution for periodontology. Engineered to predictably and reliably regenerate soft and hard tissue, this expanding range of flexible solutions is designed to provide patients with the functional and esthetic result they desire.
It is the total solution for regeneration that can potentially elevate the patient experience and your practice success.

BOTISS/STRAUMANN REGENERATION SYSTEM



A DIFFERENTIATED PORTFOLIO FOR HARD TISSUE RECONSTRUCTION. MORE OPTIONS.

Straumann bone regeneration biomaterials offer predictable remodeling and resorption, so you can pick the product that best meets your specific clinical needs such as the size of defect or stability:

botiss cerabone®, derived from bovine bone, predictably integrates into the newly formed bone matrix providing a strong and long-lasting scaffold to support implants.

botiss maxgraft® allograft is a matrix most similar to a patient's own bone with a high osteoconductive potential. The maxgraft® product family comes with an impressive track record on safety and efficacy.

Synthetic Straumann® BoneCeramic™ and botiss maxresorb® combine the demands of regenerated vital bone and volume preservation. They are the convenient alternative when human- or animal-derived materials are not an option.

A DIFFERENTIATED PORTFOLIO FOR THE MANAGEMENT OF SOFT TISSUE. MORE OPTIONS.

Predictable long-term clinical results and perfect esthetic outcomes require an adequate hard and soft tissue management. And the right choice of products.

The botiss Jason® membrane, made from porcine pericardium, features a delayed degradation behavior. Therefore it is the membrane of choice for larger augmentation procedures within the Biomaterials@Straumann® portfolio. The botiss collprotect® membrane, due to its natural structure, has a hemostatic effect and supports early wound stabilization and healing.

The soft tissue graft botiss mucoderm® is a 3-dimensional collagen tissue matrix derived from porcine dermis that supports fast revascularization and soft tissue integration. It is the valid alternative to the patient's own soft or connective tissue in certain indications. It will be integrated into the patient's own tissue within 6 to 9 months.

botiss Jason® fleece and botiss collacone® are our two collagen products for oral wound management with an inherent hemostatic effect.

STRAUMANN® EMDOGAIN®, THE UNRIVALED SOLUTION FOR SOFT AND HARD TISSUE MANAGEMENT. THE ONE OPTION.

Soft tissue healing and attachment are essential success factors both in periodontology and implantology. With its unique biologic potential to accelerate healing, Emdogain® has established itself as the unrivaled solution to induce the true regeneration of teeth supporting periodontal tissues lost due to trauma or disease.

In addition the proteins in Emdogain® accelerate early healing of oral surgical wounds in general. Therefore it helps to achieve best results possible and to minimize patient discomfort of esthetic and invasive oral surgical procedures.

Bovine

botiss cerabone®

Natural bovine bone grafting material

Courtesy of Dr. Sebastian Stavar, Houten/Netherlands

cerabone® provides dependable stability and strength and predictably integrates into newly formed bone ensuring volume maintenance and a strong, long-lasting matrix to support the successful placement of dental implants.

- Demonstrated biocompatibility in more than 500 000 successful augmentation procedures
- Clinicians' first choice to esthetically preserve and restore the volume of the treatment site

FEATURES AND BENEFITS

- Safe and sterile xenogenic, phase pure hydroxyapatite (HA) without organic components
- Rough and open porous structure is similar to native human bone allowing for bone ingrowth and vascular penetration
- Osteoconductive
- Excellent hydrophilicity enabling rapid uptake of blood
- Fast and controlled osseous integration
- Long-term 3-dimensional graft stability
- No foreign body or inflammatory reaction
- Easy handling

cerabone® is recommended for

Implantology, oral surgery and periodontology and craniomaxillofacial surgery (CMS)

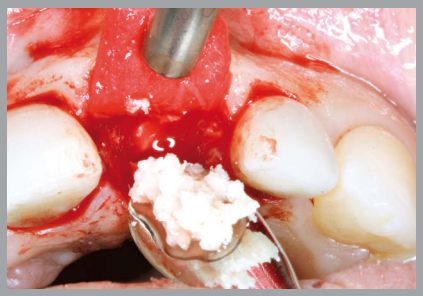
- Sinus lift
- Horizontal augmentation
- Intraosseous defects
- Peri-implant defects
- Extraction sockets
- Furcation defects

Available in the following sizes

Art.No.	Particle size	Content
BO-1510	0.5–1.0 mm	1 × 0.5 cc (ml)
BO-1511	0.5–1.0 mm	1 × 1.0 cc (ml)
BO-1512	0.5–1.0 mm	1 × 2.0 cc (ml)
BO-1515	0.5–1.0 mm	1 × 5.0 cc (ml)
BO-1520	1.0–2.0 mm	1 × 0.5 cc (ml)
BO-1521	1.0–2.0 mm	1 × 1.0 cc (ml)
BO-1522	1.0–2.0 mm	1 × 2.0 cc (ml)
BO-1525	1.0–2.0 mm	1 × 5.0 cc (ml)

Allograft

botiss maxgraft® granules and blocks
Processed human allograft



Courtesy of Dr. Algirdas Puišys, Vilnius/Lithuania

maxgraft® allograft is the safe and established alternative to autologous bone. maxgraft® granules are 100 % derived from living donor bone processed under pharmaceutical conditions by the Cells and Tissue Bank Austria (C+TBA). It's the safe and trusted bone regeneration solution most similar to a patient's own bone and has been shown to deliver strong structural support, rapid bone regeneration, and volume preservation with a high osteoconductive potential.

FEATURES AND BENEFITS

- Donors accepted from selected central European countries which have successfully transferred Directive 2004/23/EU into national law
- Osteoconductive properties support natural and controlled tissue remodeling
- A true alternative to autologous bone, eliminating donor site complications such as morbidity, infection or post-operative pain
- Excellent biological regeneration capability
- Storable at room temperature for 5 years (from date of irradiation)
- Shown to deliver rapid bone regeneration
- Impressive track record on safety and efficacy

maxgraft® granules and blocks are recommended for

Implantology, periodontology and oral and cranio-maxillofacial (CMF) surgery

- Ridge augmentation, ridge reconstruction
- Filling of intraosseous defects
- Extraction sockets
- Sinus floor elevation

Available in the following sizes

maxgraft® cancellous granules		
Art.No.	Particle size	Content
BO-30005	0.5–2.0 mm	1 × 0.5 cc (ml)
BO-30010	0.5–2.0 mm	1 × 1.0 cc (ml)
BO-30020	0.5–2.0 mm	1 × 2.0 cc (ml)
BO-30040	0.5–2.0 mm	1 × 4.0 cc (ml)

maxgraft® cortico-cancellous granules		
Art.No.	Particle size	Content
BO-31005	0.5–2.0 mm	1 × 0.5 cc (ml)
BO-31010	0.5–2.0 mm	1 × 1.0 cc (ml)
BO-31020	0.5–2.0 mm	1 × 2.0 cc (ml)
BO-31040	0.5–2.0 mm	1 × 4.0 cc (ml)

maxgraft® cancellous blocks		
Art.No.	Dimension	Content
BO-32111	10 × 10 × 10 mm	1 × block
BO-32112	20 × 10 × 10 mm	1 × block

Allograft

botiss maxgraft® bonebuilder
Customized allogenic bone block

Courtesy of Dr. Michele Jacotti, Brescia/Italy

The maxgraft® bonebuilder is a new innovative, customized allogenic bone block which is individually designed and adjusted to the desired 3-dimensional bone contour. Based on planning data and clinician-approved, the bonebuilder is produced by a milling machine and is provided in a sterile condition ready for implantation.

The bonebuilder is the ideal bone substitute to rebuild 3-dimensional defects and to reconstruct the ridge, allowing a patient friendly treatment.

- Easy to apply because it is designed to fit perfectly to the recipient site
- Saves chair-site time compared to autologous blocks
- Reduces pain medication and post-operative complications due to reduced surgical time
- Maximum contact between graft and bone for improved vascularization
- Eliminates the need to harvest autologous bone, reducing patient morbidity and discomfort

FEATURES AND BENEFITS

- Physiological structure provides ideal matrix for revascularization and osseous integration
- Maximum contact area between graft and the bone is ensured; fast vascularization and integration of the graft is supported
- The natural collagen content leads to an increased flexibility which facilitates screw fixation

Dr. Dr. Dr. Oliver Blume, maxillofacial surgeon, oral surgeon, implantologist, Praxis im Tal, Dr. Back & Blume, Munich/Germany

« The CADCAM prefabricated allogenic bone blocks (delivered sterile) offer a new option for managing patients with 3-dimensional (horizontal and vertical bone loss) and other difficult bone defects with a minimum of trauma. Outstanding results can be achieved especially in the esthetic zone in the maxilla thanks to the volume maintenance of the blocks. »

maxgraft® bonebuilder is recommended for
Implantology, oral and maxillofacial surgery

- Extensive bone defects
- Atrophic maxilla/mandibula
- Horizontal/vertical augmentation

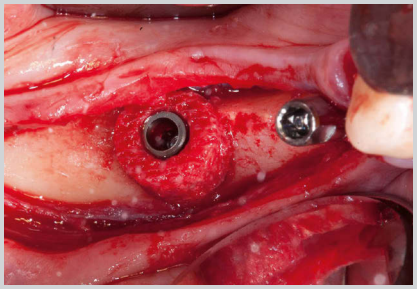
Available in the following sizes

Art.No.	Description
BO-PMIa	Individual planning and production of a bone transplant max. dimension 23 × 13 × 13 mm

For fixation of the maxgraft® bonebuilder we recommend to use the Straumann® Bone Block Fixation 1.5 mm screws (details see page 19).

Allograft

botiss maxgraft® bonering
Processed allogenic bonering



Courtesy of Dr. Bernhard Giesenhagen, Kassel/Germany

The maxgraft® bonering is a pre-fabricated ring of processed allogenic donor bone, which is placed press-fit into a trephine drill-prepared ring bed.

The bonering with its technique is your innovative solution for 3-dimensional vertical augmentation of bone defects with a single-stage graft and implant placement. The simultaneous implant placement saves you and your patient time and a surgical step compared to a conventional bone block.

- Reduces chair time by 45 to 60 minutes
- Eliminates the need for second harvesting site with all associated complications of autogenous blocks
- Increases the possibility of a shorter time-to-teeth, and reduces overall treatment costs

FEATURES AND BENEFITS

- Simultaneous bone augmentation and implant placement significantly reduces treatment time compared with a bone block
- Ring design is ideally suited for reconstruction of the anatomical shape of the jaw

Dr. Bernhard Giesenhagen, implantologist and academic teaching partner at Johann Wolfgang Goethe-Universität Frankfurt/ Germany

«I've been using the bone ring technique since 2005 and have so far successfully set more than 1000 autologous and 200 allograft bone rings. The introduction of allograft bone rings into the market has enabled me to reduce surgery time considerably. Clinically, the allograft bone rings have the same success rate as autogenous bone rings. The significant benefits of this technique are that augmentation and implantation can be performed in a single step, it is significantly less invasive than most other augmentation techniques and I can prevent the patient from needing a second procedure, and the healing time is reduced by around six months compared to a bone block.»

maxgraft® bonering is recommended for
Implantology

- Vertical augmentation (3-dimensional defects with low-grade horizontal augmentation)
- Single-tooth gap
- Edentulous space
- Sinus lift

Available in the following sizes

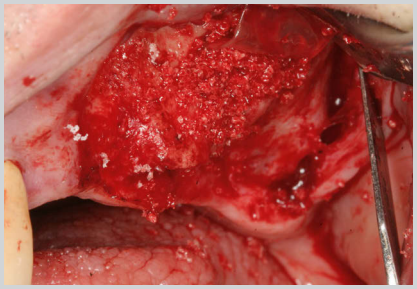
Art.No.	Description
BO-33160	maxgraft® bonering Ø 6.0 mm/3.3 mm, h 10.0 mm
BO-33170	maxgraft® bonering Ø 7.0 mm/3.3 mm, h 10.0 mm
BO-33174	maxgraft® bonering Ø 7.0 mm/4.1 mm, h 10.0 mm

The instruments and the special Closure and Fixation Caps which are used for the maxgraft® bonering technique are listed on page 18.

Synthetic

Straumann® BoneCeramic™

Alloplastic biphasic calcium phosphate



Courtesy of Dr. A. Stricker, Konstanz/Germany

One of the best documented alloplastics in the market offers a state-of-the-art scaffold with controlled resorption for vital bone regeneration without compromising on volume preservation.

BoneCeramic™ is an excellent choice for you and your patients in virtually any clinical situation

- Consistent and reproducible quality since it is fully synthetic
- More than 300 000 dental-implant related cases by clinicians around the globe

FEATURES AND BENEFITS

- Safe and sterile biphasic calcium phosphate
- Osteoconductive
- 90 % interconnected porous structure to allow for ingrowth of bone forming cells and nutritive blood vessels
- Slow and controlled resorption properties with a 60/40 mixture of hydroxyapatite (HA) and ß-tricalcium phosphate (ß-TCP)
- Extensively clinically documented in different indications
- Easy handling

Dr. med. dent. Andres Stricker, oral surgeon, Konstanz/Germany

« We have used BoneCeramic™ over 2 500 times and it has become an extremely valuable aid when augmentation measures are called for. Because of its fully synthetic components, constant volume and very high success rate of up to 99.6 %, it has become a standard here. »

BoneCeramic™ is recommended for

Implantology, periodontology and oral surgery

- Sinus lift
- Bony defects of the alveolar ridge
- Intraosseous defects
- Peri-implant defects
- Extraction sockets

Available in the following sizes

Art.No.	Particle size	Content
070.203	0.4–0.7 mm	1 × 0.3 cc (ml)
070.204	0.5–1.0 mm	1 × 1.0 cc (ml)
070.205	0.5–1.0 mm	1 × 2.0 cc (ml)

Synthetic

botiss maxresorb® & maxresorb® inject

Alloplastic biphasic calcium phosphate

Courtesy of Prof. Dr. Dr. Daniel Rothamel, Dusseldorf/Germany

Available as granules and paste maxresorb® makes a difference in handling. Based on the knowledge on synthetic biphasic calcium phosphates maxresorb® comes with a nanostructured surface to provide ideal conditions for the adhesion of osteoblasts.
The slow resorption properties facilitate true bone regeneration.

FEATURES / BENEFITS

- Easy handling
- Available as paste (ready to use)
- Safe and sterile biphasic calcium phosphate
- Osteoconductive
- Slow and controlled resorption properties with a 60/40 mixture of hydroxyapatite (HA) and ß-Tricalciumphosphate (ß-TCP)
- Excellent biocompatibility
- Interconnected porosity

maxresorb® is recommended for
Implantology, periodontology and oral surgery

- Sinus lift
- Horizontal augmentation
- Intraosseous defects
- Extraction sockets
- Furcation defects
- Peri-implant defects

Available in the following sizes

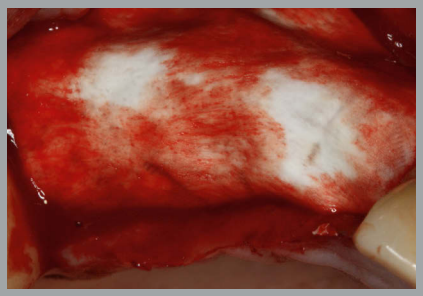
Art.No.	Particle size	Content
BO-20005	0.5–1.0 mm	1 × 0.5 cc (ml)
BO-20010	0.5–1.0 mm	1 × 1.0 cc (ml)
BO-20105	0.8–1.5 mm	1 × 0.5 cc (ml)
BO-20120	0.8–1.5 mm	1 × 2.0 cc (ml)

Art.No.	Units injectable	Content
BO-22005	1 × syringe	1 × 0.5 cc (ml)
BO-22010	1 × syringe	1 × 1.0 cc (ml)
BO-22025	1 × syringe	1 × 2.5 cc (ml)

Porcine

botiss Jason® membrane

Native collagen membrane from porcine pericardium



Courtesy of Prof. Dr. Dr. Daniel Rothamel, Dusseldorf/Germany

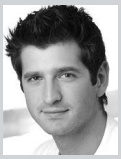
The botiss Jason® membrane is a native collagen membrane obtained from porcine pericardium, developed and manufactured for dental tissue regeneration. The advantageous biomechanical and biologic properties of the natural pericardium are preserved during the production process. Due to these unique properties, the Jason® membrane exhibits beneficial handling characteristics such as

- distinct tear resistance despite its low thickness of only 0.1 to 0.25 mm
- easily drapable and adaptable to the bone surface

Due to its natural comb-like and multi-layered collagen structure (with an increased content of collagen type III), the botiss Jason® membrane shows a slow degradation, making it the recommended choice in our portfolio particularly for large augmentative procedures.

FEATURES AND BENEFITS

- High tensile strength allowing for easy fixation (pinning, sewing)
- Thin membrane facilitates soft tissue manipulation, particularly in challenging thin biotypes
- Easily to manipulate and to cut to size even in wet conditions
- Versatile application under dry or wet conditions without having to care about the membrane sticking to itself



Prof. Dr. Dr. Daniel Rothamel,
Head of Department, Oral and Maxillofacial Plastic Surgery, Johanniter Hospital Bethesda Mönchengladbach, Germany

«After six years of intensive clinical use, the botiss Jason® pericardium membrane has proven to provide the required outcome, especially in larger augmented areas. In my experience, this combination with a slowly resorbable bone graft material provides ideal volume maintenance and bone formation up to the outline of the graft.»

Jason® membrane is recommended for
Implantology, periodontology and oral and craniomaxillofacial (CMF) surgery

- Implant dehiscence
- Sinus lift
- Protection of the Schneiderian membrane
- Fenestration defects
- Extraction sockets
- Horizontal and vertical augmentation
- Alveolar ridge reconstruction
- Intraosseous defects (1-3 walls) and furcation defects (class III)

Available in the following sizes

Art.No.	Description
BO-681520	15 × 20 mm botiss Jason® membrane
BO-682030	20 × 30 mm botiss Jason® membrane
BO-683040	30 × 40 mm botiss Jason® membrane

The botiss titan pin set which is used for membranes is listed on page 19.

Porcine

botiss collprotect® membrane
Native collagen membrane

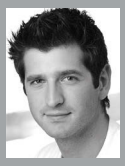
Courtesy of Dr. Michael Erbshäuser, Mühldorf am Inn/Germany

The collprotect® membrane is a native collagen membrane made of porcine dermis. Its multistep cleaning process ensures the removal of all antigenic and non-collagenous components while, at the same time, preserving its natural collagen structure. The unique processing as well as the open porous/3-dimensional collagen structure of this membrane are the basis for its application in dental bone and tissue regeneration.
The collprotect® membrane is particularly characterized by the following features:

- The natural hemostatic effect supports early wound stabilization and healing
- The porous structure allows for ingrowth of vessels
- The rough and porous structure supports cell attachment

FEATURES AND BENEFITS

- Open porous and 3-dimensional collagen structure
- Simple handling – can be easily cut to size also under wet conditions
- Versatile application under dry or wet conditions without having to care about the membrane sticking to itself



Prof. Dr. Dr. Daniel Rothamel, Head of Department, Oral and Maxillofacial Plastic Surgery, Johanniter Hospital Bethesda Mönchengladbach, Germany

« In my clinical experience, the botiss collprotect® membrane is a good membrane for smaller augmentations and coverage of autogenous bone grafts. My animal studies have shown that the membrane supports the early phases of bone formation by selective blood vessel ingrowth but also provides a reliable barrier function. »

collprotect® membrane is recommended for
Implantology, periodontology, oral and craniomaxillofacial (CMF) surgery

- Socket preservation
- Horizontal and vertical ridge augmentation
- Fenestration and dehiscence defects
- Intraosseous and furcation defects
- Sinus lift
- Protection and coverage of minor perforations of the Schneiderian membrane

Available in the following sizes

Art.No.	Description
BO-601520	15×20 mm botiss collprotect® membrane
BO-602030	20×30 mm botiss collprotect® membrane
BO-603040	30×40 mm botiss collprotect® membrane

The botiss titan pin set which is used for membranes is listed on page 19.

Porcine

Straumann® Emdogain®
Enamel matrix derivative

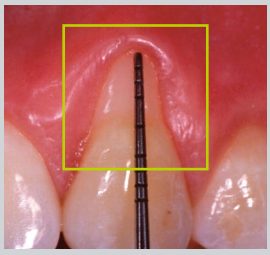
Emdogain® in oral regeneration
Periodontitis is associated with a loss of tooth-supporting tissues which is irreversible and the main reason for tooth loss if left untreated. Emdogain® is the golden standard when it comes to inducing the regeneration of lost periodontal tissues in a safe, easy and predictable way. Long-term clinical studies have demonstrated that Emdogain® can effectively help save teeth and revert gingival recessions.

Emdogain® in wound healing
As esthetics, comfort and efficiency become more and more important when it comes to implant dentistry, Emdogain® is the solution you have been searching for. Emdogain® allows accelerated healing, minimizing discomfort for your patients through less swelling, pain, and faster recovery. Further it will initiate a natural recovery that leads to esthetic outcomes.

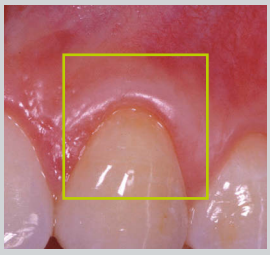
Before treatment

Courtesy of Prof. Carlos Nemcovsky

20 years after treatment with Straumann® Emdogain®



Before treatment



Courtesy of Prof. Giovanni Zucchelli

8 months after treatment with Straumann® Emdogain®

FEATURES AND BENEFITS

- Induces true regeneration of periodontium as evidenced by human histological studies
- Improves wound healing around implants for better soft tissue management
- Patient satisfaction thanks to better tooth prognosis and esthetic results
- Patient comfort thanks to less pain and less swelling
- Easy to apply, even when defect is difficult to access
- Shows less complications compared to membranes

Emdogain® is recommended for
Implantology, periodontology and oral surgery

- Intrabony defects
- Gingival recessions
- Class II furcations
- Oral wound healing

Prof. Dr. David Cochran, implantologist, San Antonio/USA

« Emdogain® is a unique protein mix which influences a number of different cells and different processes. It really helps the wound healing and wound closure in the oral cavity. »

STRAUMANN® EMDOGAIN® IN STATISTICS:

> 20 years on the market

> 600 clinical & **1,000** scientific publications**

Stable results documented **over 10 years** in 2 indications[1,2]

> 2 million patients treated*

Extremely well tolerated***

*Based on the number of syringes sold to date, globally

**According to PUBMED search for "Emdogain" or "enamel matrix derivative"

***Based on a global post-surgical complication rate of less than 0.002 %

1 Sculean A, Kiss A, Miliauskaite A, Schwarz F, Arweiler NB, Hannig M. Ten-year results following treatment of intra-bony defects with enamel matrix proteins and guided tissue regeneration. J Clin Periodontol. 2008 Sep;35(9):817-24.

2 McGuire MK, Scheyer ET, Nunn M. Evaluation of human recession defects treated with coronally advanced flaps and either enamel matrix derivative or connective tissue: comparison of clinical parameters at 10 years. J Periodontol. 2012 Nov;83(11):1353-62.

Available in the following sizes

Art.No.	Description
Single packs	
075.127W	1 × Straumann® Emdogain® 0.15 ml
075.101W	1 × Straumann® Emdogain® 0.3 ml
075.102W	1 × Straumann® Emdogain® 0.7 ml
Multi packs: Emdogain® + PrefGel®	
075.114W	3 × Straumann® Emdogain® 0.3 ml + 3 × Straumann® PrefGel® 0.6 ml
075.116W	3 × Straumann® Emdogain® 0.7 ml + 3 × Straumann® PrefGel® 0.6 ml
Five packs	
075.098W	5 × Straumann® Emdogain® 0.15 ml
Emdogain® PLUS	
075.117W	1 × Straumann® Emdogain® 0.7 ml, 1 × Straumann® BoneCeramic™ 400 – 700, 0.25 g 1 × Straumann® PrefGel® 0.6 ml
PrefGel®	
075.203W	5 × Straumann® PrefGel® 0.6 ml

Porcine

botiss Jason® fleece and collacone®
Collagenic hemostatic sponge

Courtesy of Dr. Eleni Kapogianni, M.Sc., Berlin/Germany

Jason® fleece is a hemostatic agent that can be applied for arterial and diffuse seeping bleedings especially in situations in which the application of conventional hemorrhage agents are challenging and time-consuming.
The collacone® is also a hemostatic agent and is used following tooth extractions. In patients at risk of developing haemorrhages, the combined use with fibrin sealant is indicated. Both the Jason® fleece and collacone®:

- Support local stabilization of the blood coagulum
- Allow for appropriate tissue integration

FEATURES AND BENEFITS

- Native collagen (type I) with a highly efficient local hemostatic effect
- Stabilizes the coagulum and minimizes the risk of secondary bleeding
- Resorption within approx. 2 to 4 weeks; optimal for wound protection

**Dr. med. dent. Robin Edel,
specialist for oral- and maxillofacial surgery,
Praxis Dr. Wegerhoff & Edel, Remscheid/Germany**

« The native and open-pore structure of Jason® fleece and collacone® ideally supports haemostatis by stabilization of the blood clot. After integration of these very easy-to-use products in the maxillofacial surgery department of the St. Lukas hospital in Solingen, we could effectively reduce the incidence of postoperative bleeding complications after tooth extraction in patients with compromized hemostasis. »

Jason® fleece is recommended for
Implantology, periodontology, and oral and CMF surgery

- Minor oral wounds
- Biopsy sites
- Soft tissue harvesting site
- Bone block harvesting sites
- Extraction sockets

collacone® is recommended for

- Hemostyptic treatment of extraction wounds of patients at risk of bleeding

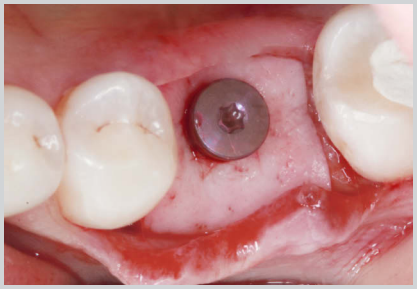
Available in the following sizes

Art.No.	Description
BO-690412	20 × 20 mm Jason® fleece
BO-511112	16 mm height, width on top 11 mm, bottom width 7 mm, collacone®

Porcine

botiss mucoderm®

3D-soft tissue graft



Courtesy of Dr. Algirdas Puišys, Vilnius/Lithuania

mucoderm® provides a true alternative in certain indications to the patient's own connective tissue. This stable 3-dimensional collagen soft tissue replacement, made of porcine dermis, supports fast revascularization and soft tissue integration, including color and texture. mucoderm® can help you increase patient acceptance:

- Reduces surgical chair-time
- Avoids donor-site morbidity
- Eliminates pain of tissue harvesting

The mucoderm® has been successfully used in more than 20,000 treatments.

FEATURES AND BENEFITS

- 3-dimensional matrix supports fast vascularization and integration
- Complete remodeling into patient's own tissue within 6–9 months – a viable alternative to the patient's own tissue in certain indications
- High tensile strength allows mucoderm® to be shaped and used for any surgical soft tissue techniques (incl. the tunnel technique)

DDS, MSc, PhD Adrian Kasaj, specialist in periodontology, Associate Professor, Department of Operative Dentistry and Periodontology at University of Mainz/Germany

«Based on my clinical experience and research, the mucoderm® matrix provides an effective and patient-friendly alternative to palatal donor tissue for root coverage procedures and correction of soft tissue deficiencies.»

mucoderm® is recommended for

Implantology, periodontology, oral and craniomaxillofacial (CMF) surgery

- Recession coverage
- Broadening of attached gingiva
- Soft tissue augmentation/thickening

Available in the following sizes

Art.No.	Description
BO-701520	15 × 20 mm mucoderm®
BO-702030	20 × 30 mm mucoderm®
BO-703040	30 × 40 mm mucoderm®

BONE SUBSTITUTES

botiss cerabone®

Available in the following sizes

	Art.No.	Particle size	Content
	BO-1510	0.5–1.0 mm	1×0.5 cc (ml)
	BO-1511	0.5–1.0 mm	1×1.0 cc (ml)
	BO-1512	0.5–1.0 mm	1×2.0 cc (ml)
	BO-1515	0.5–1.0 mm	1×5.0 cc (ml)
	BO-1520	1.0–2.0 mm	1×0.5 cc (ml)
	BO-1521	1.0–2.0 mm	1×1.0 cc (ml)
	BO-1522	1.0–2.0 mm	1×2.0 cc (ml)
	BO-1525	1.0–2.0 mm	1×5.0 cc (ml)

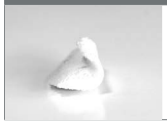
botiss maxgraft® granules and blocks

Available in the following sizes

	maxgraft® cancellous granules		
	Art.No.	Particle size	Content
	BO-30005	0.5–2.0 mm	1×0.5 cc (ml)
	BO-30010	0.5–2.0 mm	1×1.0 cc (ml)
	BO-30020	0.5–2.0 mm	1×2.0 cc (ml)
	BO-30040	0.5–2.0 mm	1×4.0 cc (ml)
	maxgraft® cortico-cancellous granules		
	Art.No.	Particle size	Content
	BO-31005	0.5–2.0 mm	1×0.5 cc (ml)
	BO-31010	0.5–2.0 mm	1×1.0 cc (ml)
	BO-31020	0.5–2.0 mm	1×2.0 cc (ml)
	BO-31040	0.5–2.0 mm	1×4.0 cc (ml)
	maxgraft® cancellous blocks		
	Art.No.	Dimension	Content
	BO-32111	10×10×10 mm	1×block
	BO-32112	20×10×10 mm	1×block

botiss maxgraft® bonebuilder

Available in the following sizes

	Art.No.	Description
	BO-PMIa	Individual planning and production of a bone transplant max. dimension 23×13×13 mm

Straumann® BoneCeramic™

Available in the following sizes

	Art.No.	Particle size	Content
	070.203	0.4–0.7 mm	1×0.3 cc (ml)
	070.204	0.5–1.0 mm	1×1.0 cc (ml)
	070.205	0.5–1.0 mm	1×2.0 cc (ml)

botiss maxresorb® & maxresorb® inject

Available in the following sizes

	Art.No.	Particle size	Content
	BO-20005	0.5–1.0 mm	1×0.5 cc (ml)
	BO-20010	0.5–1.0 mm	1×1.0 cc (ml)
	BO-20105	0.8–1.5 mm	1×0.5 cc (ml)
	BO-20120	0.8–1.5 mm	1×2.0 cc (ml)
	Art.No.	Units injectable	Content
	BO-22005	1×syringe	1×0.5 cc (ml)
	BO-22010	1×syringe	1×1.0 cc (ml)
	BO-22025	1×syringe	1×2.5 cc (ml)

botiss maxgraft® bonering

Available in the following sizes

	Art.No.	Description
	BO-33160	maxgraft® bonering Ø 6.0 mm/3.3 mm, h 10.0 mm
	BO-33170	maxgraft® bonering Ø 7.0 mm/3.3 mm, h 10.0 mm
	BO-33174	maxgraft® bonering Ø 7.0 mm/4.1 mm, h 10.0 mm

Closure and Fixation Cap for BL/BLT Implants for the maxgraft® bonering technique

	Art.No.	Description
	024.2220S	NC Closure & Fixation Cap, Ø 5.5 mm, Ti
	024.4220S	RC Closure & Fixation Cap, Ø 5.5 mm, Ti

Instruments for the maxgraft® bonering technique

	Art.No.	Description
	BO-33000	maxgraft® bonering surgical kit
	BO-33001	Pilot drill Ø 2 mm
	BO-33002	Trephine 6 mm
	BO-33003	Trephine 7 mm
	BO-33006	Planator 6 mm
	BO-33007	Planator 7 mm
	BO-33004	Diamond tulip
	BO-33005	Diamond disc
	BO-33008	Instrument rack
	BO-33009	Instrument tray maxgraft® bonering
	BO-33010	bonering fix

MEMBRANES

botiss Jason® membrane

Available in the following sizes

	Art.No.	Description
	BO-681520	15 × 20 mm botiss Jason® membrane
	BO-682030	20 × 30 mm botiss Jason® membrane
	BO-683040	30 × 40 mm botiss Jason® membrane

botiss collprotect® membrane

	Art.No.	Description
	BO-601520	15 × 20 mm botiss collprotect® membrane
	BO-602030	20 × 30 mm botiss collprotect® membrane
	BO-603040	30 × 40 mm botiss collprotect® membrane

botiss titan pin set

	Art.No.	Description
	BO-440000	1 × applicator 1 × dispenser for 15 titan pins 1 × titan pins 3 mm (10 pieces)
	BO-440310	botiss titan pins 3 mm (10 pieces)

BIOLOGICS

Straumann® Emdogain®

Available in the following sizes

	Art.No.	Description
	**Single packs**	
	075.127W	1 × Straumann® Emdogain® 0.15 ml
	075.101W	1 × Straumann® Emdogain® 0.3 ml
	075.102W	1 × Straumann® Emdogain® 0.7 ml
	Multi packs: Emdogain® + PrefGel®	
	075.114W	3 × Straumann® Emdogain® 0.3 ml + 3 × Straumann® PrefGel® 0.6 ml
	075.116W	3 × Straumann® Emdogain® 0.7 ml + 3 × Straumann® PrefGel® 0.6 ml
	Five packs	
	075.098W	5 × Straumann® Emdogain® 0.15 ml
	075.128W	5 × Straumann® Emdogain® 0.3 ml
	075.129W	5 × Straumann® Emdogain® 0.7 ml
	Emdogain® PLUS	
	075.117W	1 × Straumann® Emdogain® 0.7 ml, 1 × Straumann® BoneCeramic™ 400–700, 0.25 g 1 × Straumann® PrefGel® 0.6 ml
	PrefGel®	
	075.203W	5 × Straumann® PrefGel® 0.6 ml

OTHERS

botiss mucoderm®

Available in the following sizes

	Art.No.	Description
	BO-701520	15 × 20 mm mucoderm®
	BO-702030	20 × 30 mm mucoderm®
	BO-703040	30 × 40 mm mucoderm®

botiss Jason® fleece and collacone®

Available in the following sizes

	Art.No.	Description
	BO-690412	20 × 20 mm Jason® fleece
	BO-511112	16 mm height, width on top 7 mm, bottom width 11 mm, collacone®

Straumann® Bone Block Fixation 1.5 mm

Basic set	Art.No.	Description
	041.032	Cassette 130 mm × 118 mm × 25 mm
	044.125	Glide hole drill
	044.126	Residual ridge drill
	042.700V5	Crosshead mini-screw Length 8 mm; Ø 1.5 mm
	042.701V5	Crosshead mini-screw Length 10 mm; Ø 1.5 mm
	042.702V5	Crosshead mini-screw Length 12 mm; Ø 1.5 mm
	042.703V5	Crosshead mini-screw Length 14 mm; Ø 1.5 mm
	040.360	Screwdriver complete
Spare parts	**Art.No.**	**Description**
	046.256	Screwdriver blade for implant screws
	046.257	Screw-holding device for screwdriver blade 046.256
	046.258	Screwdriver handle for screwdriver blade 046.256

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